

# Waterbody Data Form

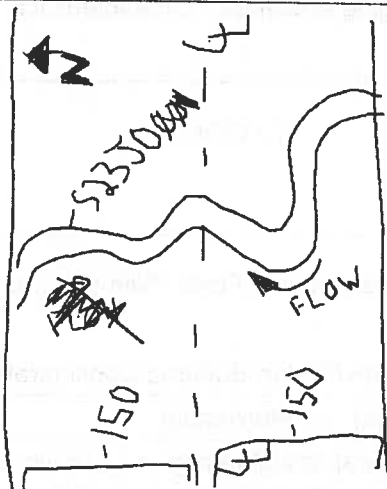
Feature ID: S23JO001

WHITE CLAY CREEK

☐ Centerline ☒ Re-Route ☐ Access Road ☐ Ancillary Facility ☐ Other

Date: 2008/09/17	Client/Project Name: KEYSTONE XL- 10623-007-803D	Milepost Enter/Exit: 3.93
Team: 23	State/County: SD - JO	Quad Name: Murdo
Logbook No.: 1	Logbook Page No.: 17	Tract No.: IVERSON
		Photo: S23JO001_001_N.JPG

Drawing (Please provide orientation arrow, all features identified, location to centerline, etc.)



Waterbody Type:	<input type="checkbox"/> Lak <input type="checkbox"/> Pond <input type="checkbox"/> Borrow Pi <input checked="" type="checkbox"/> Stream <input type="checkbox"/> Ag. Ditch <input type="checkbox"/> Other
Stream Flow:	<input type="checkbox"/> Fast <input type="checkbox"/> Moderat <input type="checkbox"/> Slow <input type="checkbox"/> Very Slow <input checked="" type="checkbox"/> None
Subsurface Flow:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown
Flow Type:	<input type="checkbox"/> Perennial (Flows year round) <input checked="" type="checkbox"/> Intermittent (Flows <3 month) <input checked="" type="checkbox"/> None <input type="checkbox"/> Seasonal (Continuous flow ≥ 3 months) <input type="checkbox"/> Ephemeral (Flows only in response to rainfall)
Direction of Flow:	<input type="checkbox"/> N <input type="checkbox"/> NE <input type="checkbox"/> E <input type="checkbox"/> SE <input checked="" type="checkbox"/> S <input type="checkbox"/> SW <input type="checkbox"/> W <input type="checkbox"/> NW
OHWM Width (ft.):	4
Sinuosity:	<input type="checkbox"/> Braided <input checked="" type="checkbox"/> Meandering <input type="checkbox"/> Straight <input type="checkbox"/> N/A
Stream Width (ft.):	16
Water Surface (At Crossing Location)	0
Stream Depth (ft.):	<input checked="" type="checkbox"/> 0 <input type="checkbox"/> 1-3 <input type="checkbox"/> 3-6 <input type="checkbox"/> 6-12 <input type="checkbox"/> 12-24 <input type="checkbox"/> 24-36 <input type="checkbox"/> 36-48 <input type="checkbox"/> 48-60 <input type="checkbox"/> 60+
OHWM Indicators:	

LITTER AND DEBRIS

SEDIMENT DEPOSITION

Bank Height (ft.): (Looking Downstream)	Left: <input type="checkbox"/> 0-2 <input checked="" type="checkbox"/> 2-4 <input type="checkbox"/> 4-6 <input type="checkbox"/> 6-8 <input type="checkbox"/> 8+
	Right: <input type="checkbox"/> 0-2 <input checked="" type="checkbox"/> 2-4 <input type="checkbox"/> 4-6 <input type="checkbox"/> 6-8 <input type="checkbox"/> 8+
Bank Slope: (Looking Downstream)	Left: <input type="checkbox"/> 4:1 <input type="checkbox"/> 3:1 <input checked="" type="checkbox"/> 2:1 <input type="checkbox"/> 1:1 <input type="checkbox"/> Vertical
	Right: <input type="checkbox"/> 4:1 <input type="checkbox"/> 3:1 <input checked="" type="checkbox"/> 2:1 <input type="checkbox"/> 1:1 <input type="checkbox"/> Vertical

### Qualitative Attributes

<b>Water Appearance:</b>			
<input type="checkbox"/> Clear	<input type="checkbox"/> Turbid	<input type="checkbox"/> Sheen on Surface	<input type="checkbox"/> Floating Algal Mats
<input type="checkbox"/> Slightly Turbid	<input type="checkbox"/> Very Turbid	<input type="checkbox"/> Greenish Color	<input type="checkbox"/> Obvious Surface Scum
Water Color:			<input checked="" type="checkbox"/> Other: Dry
<b>Stream Substrate %:</b>			
60% SILTS			
40% VEGETATION			
<b>Aquatic Habitats:</b>			
<input type="checkbox"/> Sand Bar	<input type="checkbox"/> Gravel Riffle	<input type="checkbox"/> In-stream Emergent Plant	% Cover: 0
<input type="checkbox"/> Gravel Bar	<input type="checkbox"/> Deep Pools	<input type="checkbox"/> In-stream Submerged Plant	% Cover: 0
<input type="checkbox"/> Mud Bar	<input checked="" type="checkbox"/> Bank Root Systems	<input type="checkbox"/> Fringing Wetlands	Characteristics:
<input type="checkbox"/> Undercut Bank	<input checked="" type="checkbox"/> Overhanging Trees/Shrubs		
<b>Aquatic Organisms Observed:</b>			
<input type="checkbox"/> Waterfowl	<input type="checkbox"/> Fish (Adult)	<input type="checkbox"/> Turtles	<input type="checkbox"/> Other:
<input type="checkbox"/> Snakes	<input type="checkbox"/> Fish (Juvenile)	<input checked="" type="checkbox"/> Frogs	
<input checked="" type="checkbox"/> Invertebrate			
<b>Riparian Zone:</b>			
Width of Natural Vegetation Zone from Edge of Active Channel out onto Flood Plain (ft) 120			
Vegetative Layers: <input type="checkbox"/> Herbs <input type="checkbox"/> Shrubs <input type="checkbox"/> Tree			
<input type="checkbox"/> Significant Bare Areas Within Riparian Zone		<input type="checkbox"/> Evidence Of Non-Buffered Concentrated Flows	
<b>Tributary Condition:</b> <input checked="" type="checkbox"/> Natural <input type="checkbox"/> Artificial (Man-Made) <input type="checkbox"/> Manipulate			
<b>Channel Condition:</b>			
<input type="checkbox"/> Channelization/Braiding		<input type="checkbox"/> Unnatural Straightening	<input type="checkbox"/> Downcutting
<input type="checkbox"/> Dikes/Berms		<input type="checkbox"/> Excessive Bank Erosion	<input checked="" type="checkbox"/> N/A
<b>Disturbances:</b>			
<input type="checkbox"/> Livestock Access to Riparian Zone		<input checked="" type="checkbox"/> Manure In Stream or On Banks	
<input type="checkbox"/> Waste Discharge Pipes Present			
<input type="checkbox"/> Other:			
<b>Habitat Characteristics, Aquatic, and Terrestrial Diversity Description:</b>			
Habitat ID Number			
<b>Comments:</b>			
<b>Stream Quality:</b> <input type="checkbox"/> High <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> Low			